Monash University

Kumolus Cloud Management

Problem Solved:
With a substantial number of corporate and academic environments moving to AWS, Monash needed a way to manage its cloud resources for a wide variety of users on a massive scale. It chose the Kumolus Cloud Management Platform for drag-and-drop, fullstack AWS provisioning, governance, and automation

Monash University Takes Higher Education to the Cloud

What does digital transformation look like for higher education? Imagine a world where smart campuses analyze student habits to optimize network access and schedule classes. Where heating, cooling, and power are controlled not by people but by data. Australia's Monash University is doing all of this and more with a visionary cloud-only IT strategy enabled by Kumolus.

Monash knows that modernization isn't a one-time thing. It's a continuous process. As the digital landscape evolves, Monash feels confident that it has the partners and strategy to inspire and equip its students to change the world.

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Cut time to Provision
**Months >
Minutes**

**Eliminated
Support Tickets**

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> "With a click of a button, we can deploy a server and a full-stack environment allowing us to focus on our objective of helping transform the business."

Brock Cremer
Infrastructure Services Delivery Manager

ABOUT MONASH UNIVERSITY:

Monash University is Australia's largest university, with more than 80,000 students, staff, and faculty at campuses across four continents. Ranked in the top 1% of universities worldwide, the university is on an audacious mission to inspire and equip its students to be agents of change. To empower its students to change the world, the university must stay on the cutting-edge of innovation.

Monash University is transforming higher education with a cloud-only initiative supported by Kumolus Cloud Management Platform for Amazon Web Services (AWS)

SOLUTION DESCRIPTION

Kumolus has been implemented across Monash University's AWS environment providing cloud and network management, orchestration, provisioning, cost optimisation and security control at the "click of button".

Drag-and-drop provisioning enabled by Kumolus has cut down on the time required to train Monash's large IT team and makes sure that every environment meets documented and approved standards for compliance and security. Patches and fixes can be deployed easily, saving time, money, and resources.

The Kumolus Solution delivered benefits in the following key area's:

1. AWS Orchestration and Automation
2. Governance and Compliance
3. NetApp Cloud ONTAP Management

The Kumolus platform provided complete integration across all three (3) facets of the benefit areas unlike any other platform available. The visual drag-and-drop pattern builder and orchestration is invisibly budget controlled and similarly the compliance and governance are enforced automatically without being restrictive on the Cloud application stack driving real outcomes for the University.

THE CHALLENGES:

With Monash striving to execute on its Cloud-only initiative the management team identified the following areas where it needed assistance:

- User self-service
- Experienced Cloud Skills and Resources
- Infrastructure as Code delivery gap
- NetApp Data ONTAP automation
- Standardised repeatable process
- Governance and Compliance
- Provisioning Speed and Consistency

SOLUTION BENEFITS:

With Monash corporate and academic environments moving to AWS under Kumolus Cloud Management the following benefits are being realise:

- Drag-and-drop, full-stack AWS provisioning
- User Self-Service Catalogue
- Drastically reduced provisioning times – months to minutes
- Reduced training time and cost
- Storage Costs reduced by 25%
- Automated backup compliance
- Governed template builder
- "Infrastructure-as-Code" version and revision control roll-back

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ABOUT AWS SERVICES

AWS provides the service building block component infrastructure services, such as computing power, storage options, networking and databases that are delivered as a utility: on-demand, available in seconds, with pay-as-you-go pricing. From data warehousing to deployment tools, directories to content delivery, over 90 AWS services are available. New services can be provisioned quickly, without upfront capital expense. This allows Monash to access the building blocks they need to respond quickly to changing business requirements.

NETAPP ONTAP CLOUD

To manage its rapidly growing cloud storage footprint, Monash selected NetApp ONTAP Cloud, which provides cloud-native storage management through a virtualized FAS in AWS. Kumolus collaborated with NetApp to integrate its cloud management platform with ONTAP Cloud to provide the best of all worlds: drag-and-drop provisioning with Kumolus, infinite elasticity and scalability with AWS, and enterprise-class data management with NetApp.

"ONTAP Cloud allowed us to transition to the cloud seamlessly," says Cremer. "It enabled us to easily migrate our data and bring the benefits of our onsite NetApp data management and data protection to AWS."

BMC REMEDY

Remedy Service Management was integrated so non-technical staff could request application patterns directly via the Remedy platform. Full stack deployment is orchestrated via an API call, then environment automatically shutdown and based on mandatory governance settings.

SOLUTION COMPONENTS:

Kumolus Cloud Management
Amazon Web Services
BMC Remedy
NetApp ONTAP Cloud

"Kumolus helps us quickly provision and manage resources in AWS without having to train people in code"

Brock Cremer
Infrastructure Services Delivery Manager

Learn More

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